1. Record Nr. UNINA9910827766703321 Autore **Guo Qizhong** Titolo Automatic vacuum flushing technology for combined sewer solids : laboratory testing and proposed improvements / / by Dr. Qizhong Guo London, England: ,: IWA Publishing, , 2012 Pubbl/distr/stampa ©2012 **ISBN** 1-78040-047-0 Descrizione fisica 1 online resource (61 p.) Collana WERF Research Report Series Disciplina 621.55 Soggetti Vacuum technology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Cover; Copyright; Acknowledgments; Abstract and Benefits; Table of Nota di contenuto Contents; List of Tables; List of Figures; List of Acronyms; Executive Summary; Chapter 1.0: Project Background and Objective; 1.1 Project Background; 1.2 Objective; Chapter 2.0: Approach; 2.1 Original Work Plan; 2.2 Revised Work Plan; 2.3 Task 1 - Review of Sewer Sediment Flushing Technologies; 2.3.1 Sewer Flushing Technologies; 2.3.2 Overview of Field Demonstration of Sewer Flushing Technologies; 2.4 Task 2 - Laboratory Quantification of Automatic Vacuum Flushing System; 2.4.1 Experimental Design, Equipment, and Procedures 2.4.2 Experimental Results and Discussion 2.5 Task 3 - Testing of Modified Vacuum Flushing Designs; 2.5.1 Float and Seal Device; 2.5.2 Sealing Lever Device; 2.6 Task 4 - Evaluation of Field Demonstration Site: 2.7 Task 5 - Performance Evaluation of Installed Flushing Systems: 2.7.1 Paerdegat Basin CSO Facility - Brooklyn NY; 2.7.2 Drain Flushing Vault 1 - Freshpond Parkway, Cambridge MA; 2.7.3 Alley Creek CSO Facility - Queens NY: 2.7.4 Muddy Creek Basin (CSO 198) - Cincinnati OH; 2.7.5 Wheeler Avenue CSO Flood Control Basin - Louisville KY; 2.7.6 Water Pollution Control Facility - Auburn IN 2.7.7 Typical Problems in Systems Visited2.7.8 Advantages and

Disadvantages of Observed and Proposed Systems; Chapter 3.0:

Conclusions; Appendix A; References